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SPONSORED RESEARCH FUNDING AT ALBERTA UNIVERSITIES

1990-91

Alberta Advanced Education
Research and Information Support
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TABLE OF CONTENTS

Page

I. Highlights 1

II. Table 1: Sponsored Research Revenue: 1990-91 3

III. Figure 1: Sponsored Research Revenue by Source: 1990-91 4

IV. Table 2: Sponsored Research Income Distribution by Source for Selected Universities: 1987-88 to 1989-90 5

V. Table 3: Percentage Change in Sponsored Research Funding by Source at Selected Universities: 1987-88 to 1990-91 6

VI. Figure 2: Sponsored Research Income for Selected Universities: 1989-90 7

VII. Table 4: Percentage Distribution of Total Sponsored Research Expenditures - The University of Alberta: 1988-89 to 1990-91 8

VIII. Table 5: Percentage Distribution of Total Sponsored Research Expenditures - The University of Calgary: 1988-89 to 1990-91 9

IX. Table 6: Percentage Distribution of Total Sponsored Research Expenditures - The University of Lethbridge: 1988-89 to 1990-91 10

X. Table 7: Percentage Distribution of Total Sponsored Research Expenditures - Athabasca University: 1990-91. 11

SPONSORED RESEARCH FUNDING AT ALBERTA UNIVERSITIES
1990-91

Highlights

1. During fiscal year 1990-91, over $141 million was received by Alberta's four universities in external direct support for research; at Alberta's two major research universities, the University of Alberta and The University of Calgary alone, over $138 million was received in external support for research.

2. The University of Alberta received almost $83 million in direct external funding for research in 1990-91, an increase of 13.5% over 1989-90 funding levels ($72.9 million). Funding from provincial sources declined by approximately 7.5%, while federal funding increased by approximately 27.8%.

3. The University of Calgary received approximately $55.7 million in direct external funding for research in 1990-91, an increase of approximately 6.1% over 1989-90 funding levels ($52.5 million). Funding from provincial sources declined by approximately 6.8%, while federal funding increased by 9.6%.

4. At the University of Alberta, approximately 43.3% of sponsored research funding was derived from the federal granting councils (through peer-reviewed competition); at The University of Calgary, 40.9% was provided by the federal granting councils.

5. In terms of business support, almost 9% of sponsored research support at the University of Alberta was derived from business sources ($7.4 million), and just over 10% of support at The University of Calgary was derived from business (almost $5.9 million).

6. During fiscal year 1990-91, the Alberta Heritage Foundation for Medical Research (AHFMR) provided approximately $13.1 million and $12.3 million to the University of Alberta and The University of Calgary, respectively.

7. At both the University of Alberta and the University of Calgary, the largest proportion of sponsored research funding was secured by the faculty of medicine (46% at the University of Alberta and 57.1% at The University of Calgary). At both universities, the faculty of science claimed the second largest share of funding (23% at the University of Alberta and 22.2% at The University of Calgary), followed by the engineering faculty (9.4% at the University of Alberta and 10.1% at The University of Calgary). This ranking and proportional mix has followed a rather consistent trend over recent years.

8. In fiscal year 1989-90 (the most recent year for which comparable data exists), the University of Alberta ranked 4th and The University of Calgary ranked 8th among selected Canadian research intensive universities in the level of funding received for sponsored research.

Table 1

Sponsored Research Revenue
(in thousands of dollars)

Sources		Institution	1988-89 Total	1989-90 Total	1990-91 Total
Governments:					
Federal	NSERC	Alberta	16,536	18,216	20,865
		Calgary	9,129	10,024	12,030
		Lethbridge	807	641	810
		Athabasca	–	–	25
	SSHRC	Alberta	1,272	1,010	1,512
		Calgary	1,015	1,112	1,198
		Lethbridge	163	146	248
		Athabasca	–	–	134
	MRC	Alberta	7,989	11,556	13,449
		Calgary	7,889	8,940	9,558
		Lethbridge	82	80	59
		Athabasca	–	–	–
	Other	Alberta	2,383	2,877	7,200
		Calgary	2,532	3,551	3,110
		Lethbridge	808	648	414
		Athabasca	–	–	198
	Subtotal	Alberta	28,180	33,659	43,026
		Calgary	20,565	23,627	25,896
		Lethbridge	1,860	1,515	1,531
		Athabasca	–	–	357
Alberta	AHFMR	Alberta	13,805	13,591	13,111
		Calgary	13,431	12,758	12,318
		Lethbridge	61	42	16
		Athabasca	–	–	–
	Other	Alberta	8,806	7,442	6,312
		Calgary	12,681	2,349	1,755
		Lethbridge	267	139	158
		Athabasca	–	–	158
	Subtotal	Alberta	22,611	21,033	19,423
		Calgary	26,112	15,107	14,073
		Lethbridge	328	181	174
		Athabasca	–	–	158
Other		Alberta	913	–	1,061
		Calgary	762	729	632
		Lethbridge	4	–	–
		Athabasca	–	–	–

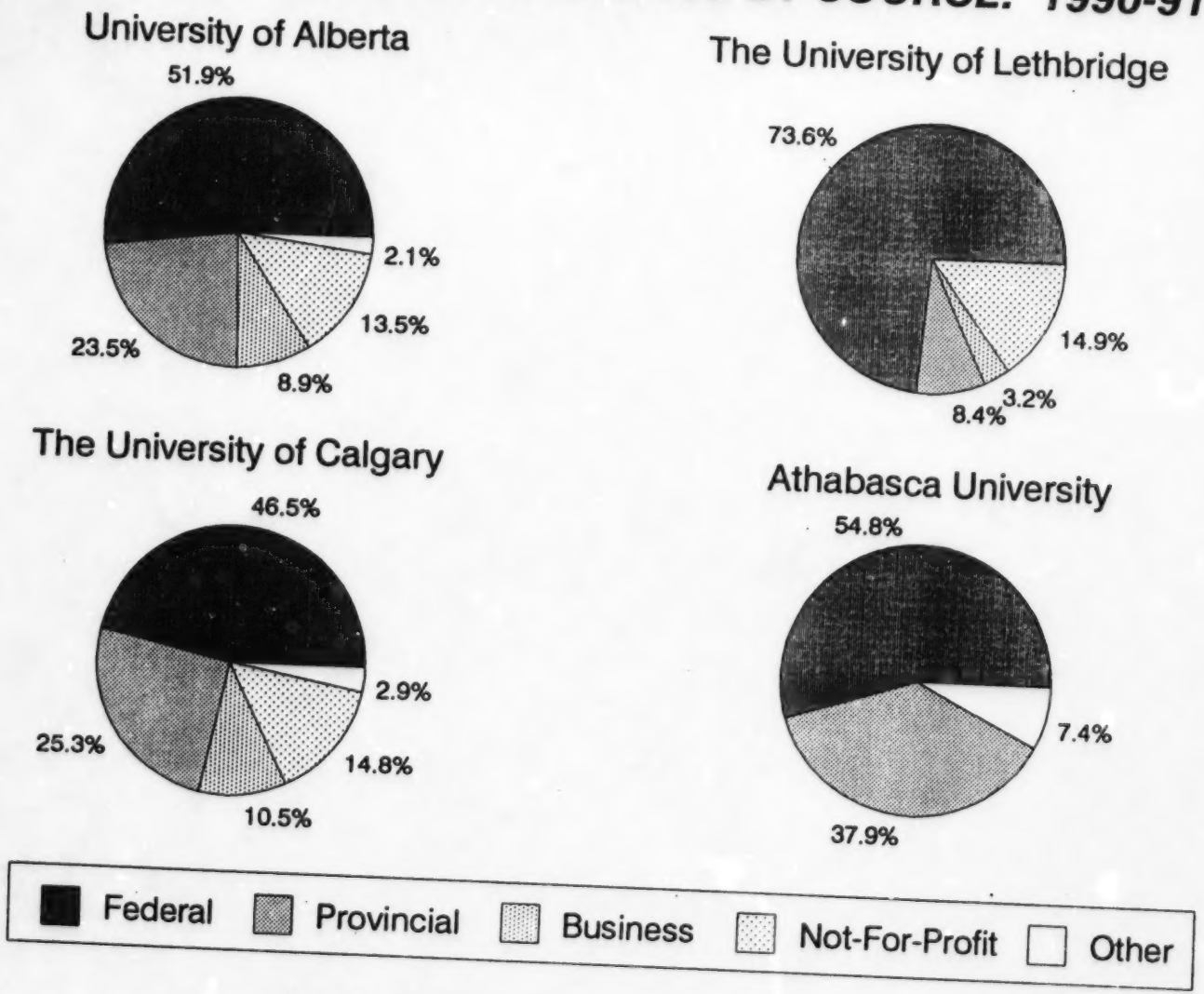
Sources	Institution	1988-89 Total	1989-90 Total	1990-91 Total
Business:				
	Alberta	5,728	3,905	7,406
	Calgary	3,691	4,828	5,850
	Lethbridge	30	51	66
	Athabasca	–	–	–
Not for Profit:				
	Alberta	7,731	7,409	11,167
	Calgary	8,029	7,684	8,225
	Lethbridge	136	244	310
	Athabasca	–	–	–
Other:				
	Alberta	712	* 6915	665
	Calgary	–	486	990
	Lethbridge	61	67	–
	Athabasca	–	–	48
Total:				
	Alberta	65,875	72,901	82,749
	Calgary	59,358	52,461	55,666
	Lethbridge	2,419	2,058	2,081
	Athabasca	–	–	652

* Includes foreign and miscellaneous sources.

Sources: 1. Annual financial statements of each university.
2. The University of Lethbridge, Office of Research Services.
3. The University of Calgary, Office of the Controller.
4. The University of Alberta Data Book, 1989-90.
5. Office of the Director, Financial Planning and Governance, Athabasca University.

Figure 1

SPONSORED RESEARCH REVENUE BY SOURCE: 1990-91



Notes: 1. "Other" includes foreign and miscellaneous sources.

2. Total percentages may not add to 100% due to rounding.

Table 2

Sponsored Research Income Distribution By Source For Selected Universities

1987-88

University	Federal %	Provincial %	Other %	Income [$000]	Rank
Toronto	59.8	6.6	33.6	$103,283	1
McGill	60.2	11.6	28.2	$76,322	2
British Columbia	67.7	8.5	23.8	$71,511	3
Alberta	46.0	35.5	18.5	$58,494	4
McMaster	44.1	17.1	38.8	$55,000	5
Laval	46.1	31.8	22.1	$50,375	6
Guelph	34.5	54.1	11.4	$47,658	7
Calgary	39.8	37.1	23.1	$47,376	8
Manitoba	59.0	9.8	21.2	$37,391	9
Western Ontario	61.7	10.8	27.5	$37,255	10

1988-89

University	Federal %	Provincial %	Other %	Income [$000]	Rank
Toronto	56.7	7.4	36.0	$115,081	1
McGill	59.2	11.1	29.6	$83,491	2
British Columbia	64.0	11.0	25.0	$80,147	3
McMaster	39.0	24.7	36.3	$71,231	4
Alberta	42.8	34.3	22.9	$65,875	5
Calgary	34.7	44.0	21.4	$59,358	6
Guelph	33.02	56.3	10.7	$55,743	7
Laval	45.6	30.3	24.1	$54,605	8
Western Ontario	60.1	4.4	35.5	$42,620	9
Manitoba	59.7	8.2	32.2	$41,346	10

1989-90

University	Federal %	Provincial %	Other %	Income [$000]	Rank
Toronto	54.4	15.1	30.5	$119,179	1
British Columbia	62.1	12.0	25.9	$86,432	2
McGill	59.2	12.3	28.4	$85,403	3
Alberta	46.4	29.0	24.6	$72,470	4
McMaster	58.4	21.1	20.5	$64,135	5
Laval	45.8	29.0	25.2	$59,789	6
Guelph	30.7	56.5	12.8	$58,388	7
Calgary	45.0	28.8	26.2	$52,461	8
Manitoba	59.8	10.1	30.1	$45,141	9
Western Ontario	56.9	12.9	30.1	$42,298	10

Source: Statistics Canada. Financial Statistics of Universities and Colleges 1987-88, 1988-89 and 1989-90. Canadian Association of University Business Officers.

Table 3

Percentage Change in Sponsored Research Funding
By Source at Selected Universities
($000's)

		1987-88	1988-89		1989-90		1990-91	
University	Source	$	$	%	$	%	$	%
Alberta	Federal	26,900	28,180	4.76%	33,659	19.44%	43,026	27.83%
	Provincial	20,769	22,611	8.87%	21,013	-7.07%	19,423	-7.57%
	Total*	58,929	65,875	11.79%	72,901	10.67%	82,749	13.51%
Calgary	Federal	18,867	20,565	9.00%	23,627	14.89%	25,896	9.60%
	Provincial	17,573	26,111	48.59%	15,107	-42.14%	14,073	-6.84%
	Total*	47,376	59,358	25.29%	52,461	-11.62%	55,666	6.11%
UBC	Federal	48,414	51,327	6.02%	53,698	4.62%	not available	
	Provincial	6,099	8,825	44.70%	10,386	17.69%	"	"
	Total*	71,511	80,147	12.08%	86,432	7.84%	"	"
Toronto	Federal	61,759	65,201	5.57%	64,859	-0.52%	"	"
	Provincial	6,781	8,469	24.89%	18,004	112.59%	"	"
	Total*	103,283	115,081	11.42%	119,179	3.56%	"	"
Western Ont	Federal	23,003	25,597	11.28%	24,087	-5.90%	"	"
	Provincial	4,009	1,881	-53.08%	5,463	190.43%	"	"
	Total*	37,255	42,620	14.40%	42,298	-0.76%	"	"
Manitoba	Federal	22,068	24,669	11.79%	26,972	9.34%	"	"
	Provincial	3,654	3,377	-7.58%	4,573	35.42%	"	"
	Total*	37,391	41,346	10.5[illegible]%	45,141	9.18%	"	"

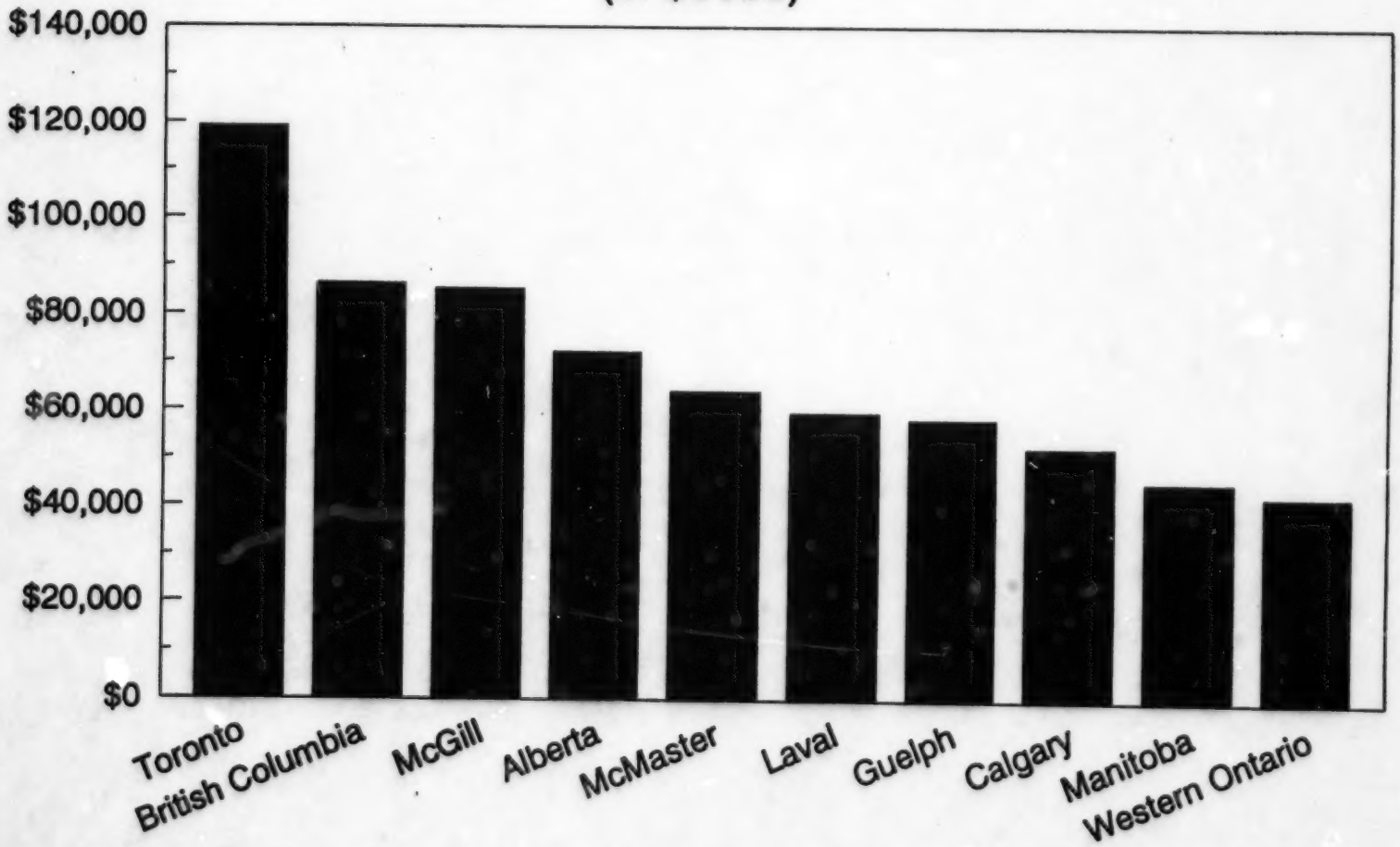
Sources:
1. Statistics Canada. Financial Statistics of Universities and Colleges 1987-88, 1988-89 and 1989-90. Canadian Association of University Business Officers.
2. 1988-89 Detailed financial statements from the Universities of Alberta and Calgary.
3. The University of Calgary, Office of the Controller.
4. The University of Alberta Data Book, 1989-90.
5. University of Alberta Financial Statements, 1990-91.

*Figures do not add as "Total" includes other sources such as donations, other governments, investment income and business sources.

Figure 2

Sponsored Research Income for Selected Universities 1989-90

(in $000s)



Source: Statistics Canada. Financial Statistics of Universities and Colleges 1989-90. Canadian Association of University Business Officers.

Table 4

Percentage Distribution of Total Sponsored Research Expenditures

University of Alberta

	1988-89	1989-90	1990-91
Faculty			
Agriculture & Forestry	10.0%	8.8%	8.7%
Arts	2.6%	2.4%	2.1%
Business	0.7%	0.7%	0.8%
Dentistry	0.9%	1.1%	1.0%
Education	0.7%	0.9%	0.9%
Engineering	9.5%	9.6%	9.4%
Home Economics	1.1%	1.1%	1.0%
Interdisciplinary Research Units	0.6%	0.4%	0.2%
Law	0.2%	0.2%	0.2%
Library & Information Studies	*	*	*
Medicine	43.6%	44.7%	46.0%
Native Studies	0.1%	0.1%	*
Nursing	0.2%	0.7%	0.7%
Pharmacy & Pharmaceutical Sciences	2.5%	2.1%	1.7%
Physical Education & Recreation Administration	0.1%	0.3%	0.3%
Rehabilitation Medicine	0.6%	0.5%	0.5%
Faculte Saint-Jean	0.1%	0.2%	*
Science	23.0%	23.3%	23.0%
Subtotal	96.8%	97.2%	97.0%
Support			
Faculty Support	0.8%	*	*
Library	0.1%	0.1%	0.2%
Student Services	0.4%	*	*
Public Services	*	*	*
Subtotal	1.4%	0.1%	0.3%
Administration			
Subtotal	0.7%	1.8%	1.6%
Agencies			
Subtotal	*	*	*
Non-departmentalized Accounts			
Subtotal	1.1%	0.9%	0.9%
Total University			
	100.0%	100.0%	100.0%

* less than .05%

Source: University of Alberta Data Books.

Table 5

Percentage Distribution of Total Sponsored Research Expenditures

The University of Calgary

	1988-89	1989-90	1990-91
Faculty			
Education	0.5%	0.9%	0.6%
Engineering	8.2%	8.6%	10.1%
Environmental Design	0.3%	0.3%	0.4%
Fine Arts	0.1%	0.1%	0.1%
General Studies	0.4%	0.5%	0.3%
Graduate Studies	*	*	*
Humanities	0.5%	0.5%	0.5%
Law	0.1%	0.1%	*
Management	0.4%	0.4%	0.6%
Medicine	56.5%	56.7%	57.1%
Nursing	0.3%	0.2%	0.2%
Physical Education	1.0%	1.0%	1.2%
Science	24.6%	24.6%	22.2%
Social Sciences	3.4%	3.8%	4.6%
Social Work	0.5%	0.5%	0.5%
Subtotal	96.7%	98.2%	98.4%
Non-faculty			
Subtotal	3.3%	1.8%	1.6%
Total University			
	100.0%	100.0%	100.0%

* less than .05%

Source: The University of Cagary Controller's Office

Table 6

Percentage Distribution of Total Sponsored Research Expenditures

The University of Lethbridge

	1988-89	1989-90	1990-91
Faculty			
Arts & Science			
Arts	32.6%	32.4%	29.0%
Science	23.4%	27.4%	35.9%
Combined	56.0%	59.8%	64.9%
Education	30.6%	14.3%	15.1%
Fine Arts	0.4%	0.2%	1.0%
Management	8.5%	23.7%	16.4%
Nursing	1.2%	0.2%	0.1%
Subtotal	96.6%	98.2%	97.5%
Support			
Archives	0.0%	0.0%	0.0%
Art Gallery	0.9%	0.5%	1.8%
Continuing Education	1.1%	0.1%	0.0%
Library	0.4%	0.9%	0.3%
Subtotal	2.5%	1.5%	2.1%
Administration			
Subtotal	0.9%	0.2%	0.4%
Total University			
	100.0%	100.0%	100.0%

Source: The University of Lethbridge. Office of Research Services.

Notes: 1. Percentages may not add up to 100% due to rounding.

2. Arts includes: Anthropology, Economics, English, History, Modern Languages, Native American Studies, Philosophy, Political Science, Psychology, Religious Studies and Sociology.

3. Science includes: Biology, Chemistry, Geography, Mathematics and Physics.

Table 7

Percentage Distribution of Total Sponsored Research Expenditures

	Athbasca University, 1990-91
Arts	32.2%
Science	41.7%
Administration	6.3%
Other	19.8%
Total	100%

Source: Office of the Director, Financial Planning and Governance, Athabasca University.